Progress Energy

August 26, 2008

Charles L.A. Terreni
Chief Clerk and Administrator
South Carolina Public Service Commission
Post Office Drawer 11649
Columbia, South Carolina 29211

Re: Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc.
Power Plant Performance Report
Docket No. 2006-224-E

Dear Mr. Terreni:

Enclosed is the Power Plant Performance Report for Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc. for the month of July 2008.

Sincerely,

/s/

Len S. Anthony
General Counsel
Progress Energy Carolinas, Inc.

LSA/dhs
Enclosures
45612

c: John Flitter (ORS)

July 2008

The following units had no off-line outages during the month of July:

Brunswick Unit 1
Brunswick Unit 2
Harris Unit 1
Robinson Unit 2
Mayo Unit 1
Roxboro Unit 3
Roxboro Unit 4

July 2008

Roxboro Unit 2

Full Forced Outage

A. Duration: The unit was taken out of service at 13:01 on June 30, and returned to service at 6:32 on July 2, a duration of 41 hours and 31 minutes. The unit was offline for a duration of 30 hours and 32 minutes during July.

B. Cause: Boiler Tube Leak

C. Explanation: The unit was taken out of service to investigate and repair a tube leak in the superheater section of the boiler.

D. Corrective Action: Maintenance activities, including weld repairs, were performed to correct the boiler tube leak. The unit was returned to service upon completion of the maintenance work.

	Month of July 2008		Twelve Month Summary		See Notes*
MDC	938	MW	938	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	707,636	MWH	6,897,149	MWH	2
Capacity Factor	101.40	%	83.71	%	
Equivalent Availability	100.00	%	82.58	%	
Output Factor	101.40	%	100.13	%	
Heat Rate	10,468	BTU/KWH	10,401	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	1,351,299	16.40	3
Partial Scheduled	0	0.00	70,999	0.86	4
Full Forced	0	0.00	0	0.00	5
Partial Forced	0	0.00	43,025	0.52	6
Economic Dispatch	0	0.00	31	0.00	7
Possible MWH	697,872		8,239,392		8

* See 'Notes for Nuclear Units' filed with the January 2008 report.
** Gross of Power Agency

	Month of July 2008		Twelve Month Summary		See Notes*
MDC	937	MW	937	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	691,106	MWH	8,172,871	MWH	2
Capacity Factor	99.14	%	99.30	%	
Equivalent Availability	100.00	%	98.62	%	
Output Factor	99.14	%	99.79	%	
Heat Rate	10,728	BTU/KWH	10,573	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	0	0.00	3
Partial Scheduled	0	0.00	46,838	0.57	4
Full Forced	0	0.00	40,135	0.49	5
Partial Forced	6,022	0.86	40,540	0.49	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	697,128		8,230,608		8

* See 'Notes for Nuclear Units' filed with the January 2008 report.
** Gross of Power Agency

	Month of July 2008		Twelve Month Summary		See Notes*
MDC	900	MW	900	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	672,513	MWH	7,428,100	MWH	2
Capacity Factor	100.44	%	93.96	%	
Equivalent Availability	100.00	%	92.95	%	
Output Factor	100.44	%	100.64	%	
Heat Rate	10,947	BTU/KWH	10,838	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	523,410	6.62	3
Partial Scheduled	0	0.00	8,585	0.11	4
Full Forced	0	0.00	1,320	0.02	5
Partial Forced	0	0.00	63,104	0.80	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	669,600		7,905,600		8

* See 'Notes for Nuclear Units' filed with the January 2008 report.
** Gross of Power Agency

	Month of July 2008		Twelve Month Summary		See Notes*
MDC	710	MW	710	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	538,858	MWH	6,524,636	MWH	2
Capacity Factor	102.01	%	104.62	%	
Equivalent Availability	100.00	%	99.84	%	
Output Factor	102.01	%	104.62	%	
Heat Rate	10,984	BTU/KWH	10,715	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	0	0.00	3
Partial Scheduled	0	0.00	9,851	0.16	4
Full Forced	0	0.00	0	0.00	5
Partial Forced	0	0.00	0	0.00	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	528,240		6,236,640		8

* See 'Notes for Nuclear Units' filed with the January 2008 report.

	Month of July 2008		Twelve Month Summary		See Notes*
MDC	742	MW	742	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	382,748	MWH	4,479,963	MWH	2
Capacity Factor	69.33	%	68.74	%	
Equivalent Availability	100.00	%	96.54	%	
Output Factor	69.33	%	69.94	%	
Heat Rate	10,652	BTU/KWH	10,531	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	36,976	0.57	3
Partial Scheduled	0	0.00	114,965	1.76	4
Full Forced	0	0.00	32,908	0.51	5
Partial Forced	0	0.00	40,772	0.63	6
Economic Dispatch	169,300	30.67	1,808,472	27.76	7
Possible MWH	552,048		6,514,068		8

* See 'Notes for Fossil Units' filed with the January 2008 report.
** Gross of Power Agency

	Month of July 2008		Twelve Month Summary		See Notes*
MDC	671	MW	658	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	403,146	MWH	5,026,097	MWH	2
Capacity Factor	80.75	%	87.00	%	
Equivalent Availability	95.10	%	95.11	%	
Output Factor	84.21	%	91.22	%	
Heat Rate	9,572	BTU/KWH	9,133	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	161,230	2.79	3
Partial Scheduled	670	0.13	18,972	0.33	4
Full Forced	20,488	4.10	89,187	1.54	5
Partial Forced	3,297	0.66	14,267	0.25	6
Economic Dispatch	71,623	14.35	479,285	8.30	7
Possible MWH	499,224		5,776,944		8

* See 'Notes for Fossil Units' filed with the January 2008 report.

	Month of July 2008		Twelve Month Summary		See Notes*
MDC	705	MW	705	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	367,633	MWH	4,301,193	MWH	2
Capacity Factor	70.09	%	69.46	%	
Equivalent Availability	96.57	%	90.56	%	
Output Factor	70.09	%	73.93	%	
Heat Rate	11,319	BTU/KWH	11,155	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	373,333	6.03	3
Partial Scheduled	978	0.19	102,810	1.66	4
Full Forced	0	0.00	1,645	0.03	5
Partial Forced	17,002	3.24	106,599	1.72	6
Economic Dispatch	138,907	26.48	1,307,141	21.11	7
Possible MWH	524,520		6,192,720		8

* See 'Notes for Fossil Units' filed with the January 2008 report.

	Month of July 2008		Twelve Month Summary		See Notes*
MDC	698	MW	698	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	410,450	MWH	3,822,980	MWH	2
Capacity Factor	79.04	%	62.35	%	
Equivalent Availability	99.83	%	83.96	%	
Output Factor	79.04	%	72.81	%	
Heat Rate	10,419	BTU/KWH	10,536	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	795,719	12.98	3
Partial Scheduled	0	0.00	104,324	1.70	4
Full Forced	0	0.00	21,813	0.36	5
Partial Forced	875	0.17	61,538	1.00	6
Economic Dispatch	107,987	20.79	1,322,586	21.57	7
Possible MWH	519,312		6,131,232		8

* See 'Notes for Fossil Units' filed with the January 2008 report.
** Gross of Power Agency

Run Date 8/20/2008

Plant	Unit	Current MW Rating	January 2007 - December 2007	July 2008	January 2008 - July 2008
Asheville	1	191	63.64	78.80	79.26
Asheville	2	185	73.17	61.74	64.62
Cape Fear	5	144	78.67	70.41	71.58
Cape Fear	6	172	72.38	63.52	59.81
Lee	1	74	62.15	77.74	67.29
Lee	2	77	62.47	61.76	51.92
Lee	3	248	66.38	62.36	38.24
Mayo	1	742	72.10	69.33	63.44
Robinson	1	176	74.63	81.45	64.76
Roxboro	1	369	78.01	80.11	81.40
Roxboro	2	671	80.06	80.75	82.53
Roxboro	3	705	74.37	70.09	65.05
Roxboro	4	698	62.40	79.04	71.05
Sutton	1	93	56.26	61.68	52.60
Sutton	2	102	63.19	69.28	63.21
Sutton	3	403	55.53	66.68	63.78
Weatherspoon	1	48	53.86	63.49	48.64
Weatherspoon	2	49	55.68	37.20	45.45
Weatherspoon	3	76	68.70	70.44	64.87
Fossil System Total		5,223	69.82	72.28	67.40
Brunswick	1	938	95.92	101.40	78.35
Brunswick	2	937	86.99	99.14	98.84
Harris	1	900	93.90	100.44	101.79
Robinson Nuclear	2	710	92.26	102.01	104.83
Nuclear System Total		3,485	92.25	100.67	95.31
Total System		8,708	78.79	83.64	78.57

Amended SC Fuel Rule
Related to Nuclear Operations

There shall be a rebuttable presumption that an electrical utility made every reasonable effort to minimize cost associated with the operation of its nuclear generation system if the utility achieved a net capacity factor of ≥ 92.5% during the 12 month period under review. For the test period April 1, 2008 through July 31, 2008, actual period to date performance is summarized below:

Period to Date: April 1, 2008 to July 31, 2008

Nuclear System Capacity Factor Calculation (Based on net generation)

A.. Nuclear system actual generation for SCPSC test period	A =	9,653,944 MWH
B. Total number of hours during SCPSC test period	B =	2,928 hours
C. Nuclear system MDC during SCPSC test period (see page 2)	C =	3,485 MW
D. Reasonable nuclear system reductions (see page 2)	D =	687,128 MWH

A. SC Fuel Case nuclear system capacity factor: [(A + D) / (B + C)] * 100 = 101.3%

NOTE:
If Line Item E > 92.5%, presumption of utility's minimum cost of operation.
If Line Item E < 92.5%, utility has burden of proof of reasonable operations.

Amended SC Fuel Rule
Nuclear System Capacity Factor Calculation
Reasonable Nuclear System Reductions
Period to Date: April 1, 2008 to July 31, 2008

Nuclear Unit Name and Designation	BNP Unit # 1	BNP Unit # 2	HNP Unit # 1	RNP Unit # 2	Nuclear System
Unit MDC	938 MW	937 MW	900 MW	710 MW	3,485 MW
Reasonable refueling otuage time (MWH)	644,015	0	0	0	
Reasonable maintenance, repair, and equipment replacement outage time (MWH)	117	758	0	0	
Reasonable coast down power reductions (MWH)	0	0	0	0	
Reasonable power ascension power reductions (MWH)	30,893	0	0	0	
Prudent NRC required testing outages (MWH)	0	11,345	0	0	
SCPSC identified outages not directly under utility control (MWH)	0	0	0	0	
Acts of Nature reductions (MWH)	0	0	0	0	
Reasonable nuclear reduction due to low system load (MWH)	0	0	0	0	
Unit total excluded MWH	675,025	12,103	0	0	
Total reasonable outage time exclusions [carry to Page 1, Line D]					687,128